NETWORKS

AN INTERNATIONAL JOURNAL

AUGUST 1998 VOLUME 32, NUMBER 1

Volume Contents

Diameter-Preserving Orientations of the Torus 1
J.-C. Konig, D. W. Krumme, and E. Lazard

On the Chromatic Number of Disk Graphs 13
E. Malesińska, S. Piskorz, and G. Weißenfels

Topological Properties of Incomplete WK-Recursive Networks 23
M.-Y. Su, G.-H. Chen, and D.-R. Duh

Compressing Cube-Connected Cycles and Butterfly Networks 47
R. Klasing, R. Lüling, and B. Monien

An Extended Planar Algorithm for Maximum Integral Two-Flow 67
R. Manor and M. Penn

SEPTEMBER 1998 VOLUME 32, NUMBER 2

Routing in Asymmetrical Multiconnection Three-Stage Clos Networks 77
Y. K. Tham

Proportional Lot Sizing and Scheduling: Some Extensions 85
A. Kimms and A. Drexl

Partial Characterizations of Networks Supporting Shortest Path Interval Labeling Schemes 103
L. Narayanan and S. Shende

Max–Min Partitioning of Grid Graphs into Connected Components 115
R. Becker, I. Lari, M. Lucertini, and B. Simeone

Embedding into the Rectilinear Grid 127
H.-J. Bandelt and V. Chepoi

On Shortest Two-Connected Steiner Networks with Euclidean Distance 133
D. F. Hsu and X.-D. Hu

On the Relationship between Dynamic Nash and Instantaneous User Equilibria 141
B.-W. Wie and R. L. Tobin

OCTOBER 1998 VOLUME 32, NUMBER 3

Sense of Direction: Definitions, Properties, and Classes 165
P. Flocchini, B. Mans, and N. Santoro

Fault-Tolerant Graphs for Tori 181
T. Yamada and S. Ueno

How to Test a Tree 189
A. B. Kahng, G. Robins, and E. A. Walkup

Paired-Domination in Graphs 199
T. W. Haynes and P. J. Slater

Solving Steiner Tree Problems in Graphs to Optimality 207
T. Koch and A. Martin

DECEMBER 1998 VOLUME 32, NUMBER 4

Scheduling in Broadcast Networks 233
N. G. Hall, W-P. Liu, and J. B. Sidney

A Polynomial Algorithm for the *p*-Centdian Problem on a Tree 255
A. Tamir, D. Pérez-Brito, and J. A. Moreno-Pérez

A Branch-and-Cut Algorithm for the Undirected Selective Traveling Salesman Problem 263
M. Gendreau, G. Laporte, and F. Semet

Constructions of Large Planar Networks with Given Degree and Diameter 275
M. Fellows, P. Hell, and K. Seyffarth

Project Scheduling with Multiple Modes: A Comparison of Exact Algorithms 283
S. Hartmann and A. Drexl

On Optimal Orientations of Cartesian Products of Even Cycles 299
K. M. Koh and E. G. Tay

On Container Length and Connectivity in Unidirectional Hypercubes 307
J-S. Jwo and T-C. Tuan

Author Index to Volume 32 321

Subject Index to Volume 32 323

Volume Contents